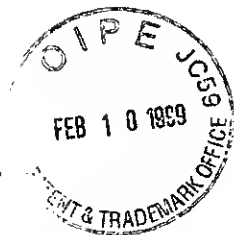


DOCKET NO.: CHIR-0108



PATENT

GP. 1644

#50
2/26/99
mh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Amy J. Weiner and Michael Houghton

Serial No.: 08/823,980

Group Art Unit: 1644

Filing Date: March 25, 1997

Examiner: R. Schwadron

For: CONSERVED MOTIF OF HEPATITIS C VIRUS E2/NS1 REGION

DATE OF DEPOSIT: 2/8/99
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Mark J. Rosen
TYPED NAME: Mark J. Rosen
REGISTRATION NO.: 39,822

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Commissioner for Patents and Trademarks
Washington DC 20231

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POWER OF ATTORNEY WITH REVOCATION

Revoking any and all powers of attorney heretofore given in the matter of the above-entitled application, the undersigned, assignee of the entire interest in the above-identified application, hereby appoints the attorneys listed below of the firm of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania, 19103, as attorneys for applicant(s), with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Robert B. Washburn
Richard E. Kurtz

Registration No. 16,574
Registration No. 19,263

John J. Mackiewicz	Registration No. 19,709
Norman L. Norris	Registration No. 24,196
Albert W. Preston, Jr.	Registration No. 25,366
Dale M. Heist	Registration No. 28,425
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Gary H. Levin	Registration No. 28,734
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Dianne B. Elderkin	Registration No. 28,598
Francis A. Paintin	Registration No. 19,386
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Henrik D. Parker	Registration No. 31,863
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Mark DeLuca	Registration No. 33,229
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Anthony J. Rossi	Registration No. 24,053
Michael D. Stein	Registration No. 34,734
Albert J. Marcellino	Registration No. 34,664
David R. Bailey	Registration No. 35,057
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Lynn A. Malinoski	Registration No. 38,788
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Doreen Yatko Trujillo	Registration No. 35,719
Michael P. Straher	Registration No. 38,325
Kevin M. Flannery	Registration No. 35,871
David A. Cherry	Registration No. 35,099
Michael J. Swope	Registration No. 38,041
Michael J. Bonella	Registration No. 41,628
Harold H. Fullmer	Registration No. 42,560
William R. Richter	Registration No. P43,879
John E. McGlynn	Registration No. 42,863
Kimberly R. Hild	Registration No. 39,224
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Paul K. Legaard	Registration No. 38,534
Chad Ziegler	Registration No. P44,273
David N. Farsiou	Registration No. P44,104
Maureen S. Gibbons	Registration No. P44,121
Steven H. Meyer	Registration No. 37,189
John M. Paolino	Registration No. 40,340
Joseph R. Condo	Registration No. 42,431
Michael K. Jones	Registration No. 41,100
Frank T. Carroll	Registration No. 42,392
Mark J. Rosen	Registration No. 39,822
Maria M. Kourtakis	Registration No. 41,126

Rena Patel

Registration No. 41,412

Send all future correspondence and address all telephone calls to:

Alisa A. Harbin, Esquire
Chiron Corporation
Intellectual Property
4560 Horton Street
Emeryville, CA 94608-2916
Telephone: (510) 923-2708

- ☒ A Certificate under 37 C.F.R. §3.73(b) and copies of relevant documents accompany this Revocation of Power of Attorney.

Respectfully submitted,

Chiron Corporation,
Assignee

Date: 8 Feb 1999

By: Alisa Harbin
Name: Alisa Harbin
Title: Asst. Secretary

DOCKET NO.: CHIR-0108



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Amy J. Weiner and Michael Houghton

Serial No.: 08/823,980

Group Art Unit: 1644

Filing Date: March 25, 1997

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WASHINGTON, DC 20231.

Mark J. Rosen
TYPEO NAME: Mark J. Rosen
REGISTRATION NO.: 39,822

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Washington DC 20231

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CERTIFICATE UNDER 37 C.F.R. §3.73(b)

MATRIX CUSTOMER
SERVICE CENTER

Chiron Corporation, a Delaware, certifies that it is the assignee of the entire right,
title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventors of U.S. Serial No. 08/061,699 filed May 12, 1993.

grandparent of the patent application identified above. .

☒ 1. The assignment was recorded in the Patent and Trademark Office at Reel 6631

at Frames 0223-0227.

- ☐ 2. The assignment has not yet been recorded. A copy of the Assignment is attached

OR

- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the

current assignee as shown below:

- i. From: _____ To: _____ The document was recorded in the Patent and Trademark Office at Reel ____, Frame(s) ____, or for which a copy thereof is attached.
- ii. From: _____ To: _____ The document was recorded in the Patent and Trademark Office at Reel ____, Frame(s) ____, or for which a copy thereof is attached.
- iii. From: _____ To: _____ The document was recorded in the Patent and Trademark Office at Reel ____, Frame(s) ____, or for which a copy thereof is attached.


☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.


Signature
Name: Alisa Harbin
Title: Asst. Sec

Date:



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 08/26/93
TO:

N08C

KENNETH M. GOLDMAN, ESQ.
CHIRON CORPORATION
POST OFFICE BOX 8097
4560 HORTON STREET, R-440
EMERYVILLE, CALIFORNIA 94608



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:
WEINER, AMY J.

DOC DATE: 07/16/93

ASSIGNOR:
HOUGHTON, MICHAEL

DOC DATE: 07/16/93

RECORDATION DATE: 07/26/93 NUMBER OF PAGES 005 REEL/FRAME 6631/0223

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
CHIRON CORPORATION
POST OFFICE BOX 8097
4560 HORTON STREET, R-440
EMERYVILLE, CALIFORNIA 94608

SERIAL NUMBER 8-061699 FILING DATE 05/12/93
PATENT NUMBER ISSUE DATE 00/00/00

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : AMY J. WEINER et al.
SERIAL NO. : 08/061,699 GROUP ART UNIT: Unassigned
FILED : May 12, 1993 EXAMINER: Unassigned
TITLE : CONSERVED MOTIF OF HEPATITIS C VIRUS E2/NS1 REGION

ASSIGNMENT DOCUMENT COVER LETTER

Box Assignment
Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

1. The accompanying assignment covers the patent or application identified above.
- X No other patents or applications are covered by the assignments.
- Other patents and/or applications are covered by the assignment as shown on the attached LIST OF PATENTS AND/OR APPLICATIONS COVERED BY ASSIGNMENT.

NAMES OF PARTY MAKING TRANSFER

2. Name 1: Amy J. Weiner
Michael Houghton

IDENTITY OF PARTY TO WHOM TRANSFER IS MADE

3. Transfer is being made to:

CHIRON CORPORATION
P.O. Box 8097
4560 Horton Street, R-440
Emeryville, California 94608
United States of America

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on this 23 day of July, 1993
By: William D. Stiggi

INTENTION OF DOCUMENT

4. The accompanying document is an:
- ☒ Assignment ☐ License
☐ Security Interest ☐ Other
- ☒ Execution Date: July 16, 1993

FEE PAYMENT

5. Total fee due \$40.00
6. ☒ Charge Deposit Account No. 03-1664 in the sum of \$40.00. A duplicate of this Assignment Cover Letter is enclosed.
- ☐ Enclosed is a check for \$40.00.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 03-1664. A duplicate of this sheet is enclosed for accounting purposes.

**ADDRESS TO WHICH DOCUMENT SHOULD BE RETURNED AFTER RECORDAL
BY PTO**

7. Please return the recorded document to:

Kenneth M. Goldman, Esq.
CHIRON CORPORATION
P.O. Box 8097
4560 Horton Street, R-440
Emeryville, California 94608
United States of America

STATEMENT BY THE PARTY

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

By: Kenneth M. Goldman

Kenneth M. Goldman, Esq.
Attorney for Applicants
Reg. No. 34,174

July 22 1993

CHIRON CORPORATION
P.O. Box 8097
4560 Horton Street, R-440
Emeryville, California 94608
(510) 601-2719

Total number of pages comprising cover sheet: 5 (Cover Letter plus Original Assignment)

16-5

ASSIGNMENT

**WHEREAS, WE, AMY J. WEINER
 MICHAEL HOUGHTON**

hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **CONSERVED MOTIF OF HEPATITIS C VIRUS E2/NS1 REGION**

Date of Execution: July 16, 1993

Filing Date: May 12, 1993

Serial No: 08/061,699

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

REC-6631 PAGE 225

ASSIGNORS further agree that they will, without charge, aid said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE 7/16/93

Amy J. Weiner
Inventor - Amy J. Weiner

Michael Houghton
Witness

DATE 7/16/93

M Houghton
Inventor - Michael Houghton

[Signature]
Witness

DATE _____

Inventor -

Witness

DATE _____

Inventor -

JUL 26 93

PATENT AND TRADEMARK
OFFICE

Witness

DATE _____

Inventor -

Witness